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Title : **DESIGN AND CALIBRATION OF A THREE-COMPONENT LOAD CELL**

Author/s : H.S.MURALIDHARA., B.JAGANNATHA RAO., M.S.CHIDANANDA., V.S.KRISHNA KUMAR., S.VENKATESH.

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Abstarct:

A three-component strain gauge load cell for the measurement of thrust produced by a vectored nozzle was designed and calibrated.The load cell had the capability to measure a maximum of 300 Kgf in axial, 100 Kgf each in pitch and yaw directions. The main features of the load cell design were minimum interaction and reasonably high output. This report deals with the design and the calibration tests carried out in respect of this load cell which was subsequently used for experimental studies on scaled vectored nozzles.